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Separate paging is given to this Part in order that it may be filed
as a separate compilation

NOTICE

The undermentioned Gazettes of India Extraordinary were published upto the 7th December, 1964:—

Issue No.	No. and Date	Issued by	Subject
186	G.S.R. 1740, dated 2nd December, 1964.	Ministry of Food and Agriculture.	The Delhi Sugar Products (Movement Control) Amendment Order, 1964.
187	G.S.R. 1741, dated 7th December, 1964.	Do.	The Madras Coarse Grains (Export Control) Order, 1964.
	G.S.R. 1742, dated 7th December, 1964.	Do.	Rescinding Orders mentioned therein.
188	G.S.R. 1743, dated 7th December, 1964.	Ministry of Finance	Exempting Cotton seed oil from certain duty leviable thereon.

Copies of the Gazettes Extraordinary mentioned above will be supplied on indent to the Manager of Publications, Civil Lines, Delhi. Indents should be submitted so as to reach the Manager within ten days of the date of issue of these Gazettes.

PART II—Section 3—Sub-section (i)

General Statutory Rules (including orders, bye-laws etc. of a general character) issued by the Ministries of the Government of India (other than the Ministry of Defence) and by Central Authorities (other than the Administrations of Union Territories).

SUPREME COURT OF INDIA

New Delhi, the 10th December 1964

G.S.R. 1786.—In exercise of the powers conferred by clause (2) of Article 146 of the Constitution the Chief Justice of India hereby makes the following rules with

(1971)

respect to the conditions of service of persons serving on the Editorial Staff attached to the Supreme Court of India.

RULES

1. (1) These Rules shall be, called the Supreme Court (Council of Law Reporting) Rules, 1964.

(ii) They shall be deemed to have come into force from the 1st November, 1964.

2. The series of law reports containing the decisions of the Supreme Court of India known and cited as the Supreme Court Reports shall be published under the supervision of a Council to be called the Supreme Court Council of Law Reporting (hereinafter in these rules called "the Council").

3. (1) The Council shall consist of 5 members and shall be constituted as follows:—

(a) The Chief Justice of India (Chairman),

(b) Two Judges of the Supreme Court nominated by the Chief Justice of India,

(c) The Attorney-General for India, and

(d) One Advocate to be nominated by the executive council of the Supreme Court Bar Association.

(ii) The Registrar of the Supreme Court of India shall be the ex-officio Secretary of the Council.

4. The term of office of the members of the Council shall be as follows:—

(a) The Chief Justice of India and the Attorney-General for India shall be ex-officio members and shall continue to be members for such period as each of them shall hold his respective office;

(b) The other members shall hold office for one year from the date of their respective nominations, but each of such members shall be eligible for re-nomination for further terms of one year each so often as the nominating authority may think fit to re-nominate him, provided however that the term of the Judge members shall not extend beyond the term of their office as Judge of the Supreme Court.

5. The powers and duties of the Council shall be as follows:—

(i) generally to control and supervise the work of the Editorial staff hereinafter mentioned and to issue from time to time directions or instructions, general or special, in the matter of the preparation, printing and publication of the Supreme Court Reports;

(ii) to assess, from time to time, the merits or demerits of the work of the Editorial staff or any member thereof;

(iii) to make arrangements, in consultation with the Controller of Printing and Stationery, Government of India, for printing and publication of the Supreme Court Reports.

6. (1) The strength of the "Editorial Staff" collectively called herein as such and consisting of the Editor, Assistant Editors and Reporters shall be as shown in the 2nd column of the Schedule attached hereto and the rates of pay of the holders of the said posts shall be those shown against each of the said posts in the 3rd column of the said Schedule.

(ii) The Chief Justice of India may amend the Schedule by increasing or decreasing the number of posts of the categories specified therein provided that the power of the Chief Justice of India to create temporary posts of the categories specified therein shall be limited to the creation of such posts for any specified period not exceeding two years.

7. (1) The appointments of the members of the Editorial staff shall be made by the Chief Justice of India.

(ii) Members of the Editorial Staff holding the posts of Editor and Assistant Editors shall be full time Court servants and shall not be entitled to act and plead as Advocates in any Court or accept any other paid office or appointment during

the term of their employment as such members and their conditions of service and conduct including imposition of penalties shall be those which may, from time to time, be provided in the Supreme Court Officers and Servants (conditions of Service and Conduct) Rules, 1961.

(iii) Members of the Editorial Staff holding the posts of Reporters shall be part-time Court Servants holding temporary non-pensionable posts. They shall be appointed for such period as the Chief Justice of India may determine and the period of such appointment may, from time to time, be extended by him, provided that during the period of such appointment the Chief Justice of India may terminate the appointment of any Reporter at any time on a month's notice in writing without assigning any reasons.

8. The Editor assisted by other members of the Editorial Staff shall take all necessary action to ensure that all reportable cases are duly reported in the Supreme Court Reports and in accordance with the directions or instructions issued by the Council from time to time.

9. Members of the Editorial Staff belonging to the category of Reporters shall give an undertaking that during the term of their employment as such members, they shall not except with the permission of the Chief Justice of India, act and plead as Advocates in any Court other than the Supreme Court of India and save as aforesaid no such person shall hold or accept any other paid office or appointment without the sanction of the Chief Justice of India.

10. No member of the Editorial Staff shall use for any purpose whatsoever other than his duties in connection with the Supreme Court Reports, any document or information which has either come into his possession or has been prepared or collected by him in the course of such duties.

11. The Supreme Court (Council of Law Reporting), Rules, 1961 shall stand cancelled from the date of the coming into force of these Rules. Provided that orders or appointments, if any, already made under the repealed rules shall continue in force and be deemed to have been made under these rules.

SCHEDULE

Category of post	Number of posts	Scales/Rates of pay per mensem
1. Editor	1	Rs. 1100—50—1300—60—1600—100—1800
2. Assistant Editor	2	Rs. 900—50—1250.
3. Reporter	2	Rs. 450 fixed.

[No. F. 38/64-SCA(1).]

New Delhi, the 11th December 1964

G.S.R. 1787.—The following is published for general information.

AMENDMENTS TO THE SUPREME COURT OFFICERS & SERVANTS (CONDITIONS OF SERVICE AND CONDUCT) RULES, 1961.

The Chief Justice of India in exercise of his rule-making powers hereby makes, with effect from the 1st November, 1964, the following amendments to the Supreme

Court Officers and Servants (Conditions of Service and Conduct) Rules, 1961, namely:—

1. After item 4 of the First Schedule to the said Rules the following shall be inserted:

"Class I (Gazetted-Special Posts).

	1	2	3	4
4-A. Editor, Supreme Court Reports.	1	—		Rs. 1100—50—1300—60—1600—100—1800.
4-B. Assistant Editor, Supreme Reports.	2	—		Rs. 900—50—1250'

2. After item 4 of the Second Schedule to the said Rules the following shall be inserted:

**"4-A. Editor, Supreme Court Reports.
(Special Post).**

Deputy Secretary to the Govt. of India of the Selection grade of the Central Secretariat Service.

**4-B. Assistant Editor, Supreme Court Reports.
(Special Post).**

Under Secretary to the Govt. of India of Grade I of the Central Secretariat Service."

[No. F. 39/64-SCA(I).]

Y. D. DESAI, Registrar.

New Delhi, the 11th December 1964

G.S.R. 1788.—The Supreme Court hereby makes the following amendment to the Regulation framed by it pursuant to the provisions contained in Sub rule 1 of rule 16 of Order IV, Supreme Court Rules 1950 (as amended)—

After the present Regulation 9, the following may be inserted as Regulation 9-A:

"9-A (1) A candidate, who fails to obtain 50% in one paper only but obtains 40% in that paper and also obtains 60% in the aggregate in the remaining papers, shall be allowed to appear in that paper at any subsequent examination on payment of the full examination fee and he shall be declared to have passed the Advocates-on-Record Examination if the marks obtained by him at the subsequent examination taken with the marks obtained in the remaining papers at the earlier examination are 60% of the aggregate marks in all the papers.

(2) A candidate who passes in all the papers at any single examination but fails to obtain 60% of the marks in the aggregate may with the previous permission of the Examination Committee and on payment of the full examination fee appear at a subsequent examination in one of the papers only in which he has obtained less than 60% marks and shall be declared to have passed the Advocates-on-Record Examination if the marks obtained by him at the subsequent examination taken with the marks obtained in the remaining papers at the earlier examination are 60% of the aggregate marks in all the papers.

(3) This Regulation shall come into force from the Examination held in December 1963.

[No. 9/64-ARMJ.]

By Order of the Court.

GURU DATTA, Secy.

Advocates-on-Record Examination Committee.

MINISTRY OF HOME AFFAIRS

New Delhi, the 10th December 1964

G.S.R. 1789.—In exercise of the powers conferred by the proviso to article 309 of the Constitution and all powers enabling him in that behalf, the President hereby makes the following rules to amend the Zonal Councils (Class III and Class IV posts) Recruitment Rules, 1961, published with the notification of the Government of India in the Ministry of Home Affairs G.S.R. 1386, dated the 16th November, 1961, namely:—

1. These rules may be called the Zonal Councils (Class III and Class IV posts) Recruitment (Amendment) Rules, 1964.
2. In the Schedule to the Zonal Councils (Class III and Class IV posts) Recruitment Rules, 1961, serial number 1—and the entries relating thereto, shall be omitted and serial numbers 2 to 9 (both inclusive) shall be renumbered accordingly.

[No. F. 15/6/62-SR(R).]

G. . R. 1790—In exercise of the powers conferred by the proviso to article 309 of the Constitution and all other powers enabling him in that behalf, the President, after consultation with the Union Public Service Commission, hereby makes the following rules regulating the method of recruitment of Class II (Gazetted) Posts in the offices of the Zonal Councils.

1. **Short title.**—These rules may be called the Zonal Councils (Class II, Gazetted posts) Recruitment Rules, 1964.
2. **Application.**—These rules shall apply to the posts in the offices of the Zonal Councils, specified in column 1 of the Schedule hereto annexed.
3. **Classification, scale of pay etc.**—The number of the said posts, their classification, the scale of pay attached thereto, the method of recruitment to the said posts, age limit, and other matters relating to the said posts shall be as specified in columns 2 to 13 of the Schedule aforesaid.
4. **Disqualification**—(a) No person, who has more than one wife living or who, having a spouse living, marries in any case in which such marriage is void by reason of its taking place during the life time of such spouse, shall be eligible for appointment to the said posts; and
(b) no woman, whose marriage is void by reason of the husband having a wife living at the time of such marriage or who has married a person who has a wife living at the time of such marriage, shall be eligible for appointment to the said posts :

Provided that the Central Government may, if satisfied that there are special grounds for so ordering, exempt any person from the operation of this rule.

SCHEDULE

Name of post	No. of posts	Classification	Scale of pay	Whether selection post or non-selection post	Age limit for direct recruits	Education-al and other qualifications required for direct recruits	Whether age and educational qualifications prescribed for the direct recruits will apply in the case of promotees	Period of probation, if any	Method of recruitment whether by direct recruitment or by promotion or transfer and percentage of the vacancies to be filled by various methods	In case of recruitment by promotion/transfer, grades from which promotion to be made	If a Departmental Promotion Committee exists what is its composition	Circumstances in which Union Public Service Commission is to be consulted in making recruitment
1	2	3	4	5	6	7	8	9	10	11	12	13
Superintendent.	2	Class II Gazetted (Ministerial).	Rs. 350—20—450 —25—575 or Grade pay of the officer plus a deputation	Not applicable.	Not applicable.	Not applicable.	Not applicable.	2 years	By transfer/deputation.	Transfer/Deputation—From (i) Superintendents working in any	Not applicable.	As required under the rules.

tion allowance
of 20% subject
to a limit of
Rs. 575/-, which-
ever is more
favourable.

subordinate or at-
tached offices of
the Central Govern-
ment.

(ii) Superintendents
working in State
Government Offices.

(iii) Persons holding
non-technical Class
II posts in the
Central & Govern-
ment Offices, viz.,
Assistants in the
Central Secretar-
iat.

(period of deputation
not to exceed 3
years)

[No. F.15/6/62-SR(R)]

K.R. PRABHU, Dy. Secy.

New Delhi, the 14th December 1964

G.S.R. 1791.—In pursuance of sub-rule (1) and the first proviso to sub-rule (2) of rule 4 of the Indian Administrative Service (Cadre) Rules, 1954, the Central Government, in consultation with the Government of Madhya Pradesh, hereby make the following amendment in the cadre schedule to the Indian Administrative Service (Fixation of Cadre Strength) Regulations, 1955, relating to Madhya Pradesh, as notified in the Government of India Ministry of Home Affairs Notification No. 13/36/56-AIS(III) dated 28th December, 1956.

Amendment

In the schedule for the entries under "Madhya Pradesh", the following may be substituted:—

MADHYA PRADESH

1. Senior posts under State Government	83
Chief Secretary to Government	1
President, Board of Revenue	1
Members, Board of Revenue	2
Commissioners of Divisions	7
Development Commissioner	1
Secretaries to Government	8
Additional Secretary, Planning & Development	1
Deputy Secretaries to Government	10
Settlement Commissioner	1
Excise Commissioner	1
Director of Agriculture	1
Registrar of Co-operative Societies	1
Deputy Commissioners	43
Settlement Officers	2
Additional Deputy Commissioner	1
Labour Commissioner	1
Director of Tribal Welfare	1
	<hr/> 83 <hr/>
2. Senior posts under Central Government	33
	<hr/> 116 <hr/>
3. Posts to be filled by promotion and selection in accordance with rule 8 of the Indian Administrative Service (Recruitment) Rules, 1954;	29
4. Posts to be filled by direct recruitment	87
5. Deputation Reserve @ 15 per cent of 4 above	13
6. Leave Reserve @ 11 per cent. of 4 above	10
7. Junior Posts @ 20.60 per cent of 4 above	18

8. Training Reserve @ 10.59 per cent of 4 above	9
Direct Recruitment Posts	137
Promotion Posts	29
Total Authorised Strength	166

2. The amendment hereby made shall be deemed to have been in force from 1st November, 1956 to 26th June, 1958 and thereafter the cadre strength would be as notified in this Ministry's Notification No. 13/24/58-AIS(III)-A, dated the 27th June, 1958.

[No. 6/52/64-AIS(I).]

CORRIGENDUM

New Delhi, the 11th December 1964

G.S.R. 1792.—In the Ministry of Home Affairs Notification No. 7/19/64-AIS(I) dated the 13th November, 1964—

- (1) in line 4 before the words "Service (Fixation of Cadre Strength) Regulation, 1955" add the words "Indian Police".
- (2) For the words "Principal, Police Schools" under entry 1 "Senior Duty posts under State Government", substitute the words "Principals, Police Training Schools".
- (3) Against entry 3 for the words "Training reserve @ 10.59 of 4 above" substitute the words "Training reserve @ 10.59% of 4 above".

[No. 7/19/64-AIS(I).]

O. S. MARWAH, Under Secy.

MINISTRY OF RAILWAYS

(Railway Board)

New Delhi, the 9th December 1964

G.S.R. 1793.—In exercise of the powers conferred by sub-section (1) of section 47 of the Indian Railways Act, 1890 (9 of 1890), the Central Government hereby make the following further amendment to the General rules for all open lines of Railways in India administered by the Government, published with the notification of the Government of India, in the late Railway Department (Railway Board) No. 1078-T, dated the 9th March, 1929, namely:—

In Part-I of the said rules, for rule 59 the following rule shall be substituted, namely:—

"59. *Intimation to persons when defects remedied.*—As soon as a defective signal has been put into good working order, the Station Master shall intimate the fact to the persons who were advised of its becoming defective."

[No. 64-TTV/29/10(17).]

P. C. MATHEW, Secy.

MINISTRY OF FOOD AND AGRICULTURE

(Department of Food)

ORDER

New Delhi, the 9th December 1964

G.S.R. 1794/Ess. Com./Sugarcane.—In pursuance of sub-clause (6) of clause 3A of the Sugarcane (Control) Order, 1953, the Central Government hereby directs that the additional sugarcane price determined under sub-clause (4) of the said clause, shall be paid by every producer of sugar to the grower of sugarcane or growers' co-operative society, as the case may be within thirty days from the date of receipt of the intimation of the same in writing from the Sugarcane (Additional) Price Fixation Authority appointed by the Order of the Government of India in the Ministry of Food and Agriculture (Department of Food) No. G.S.R. 1194 dated the 1st July, 1963.

[No. F. 14-7/64-Sugar.]

K. L. PASRICHA, Jt. Secy.

DEPARTMENT OF SOCIAL SECURITY

New Delhi, the 9th December 1964

G.S.R. 1795.—Whereas the Central Government is of opinion that a Provident Fund Scheme should be framed under the Employees' Provident Funds Act, 1952 (19 of 1952) in respect of the employees of the non-ferrous metals and alloys in the form of ingots industry;

Now, therefore, in exercise of the powers conferred by sub-section (1) of section 4 of the Employees' Provident Funds Act, 1952 (19 of 1952), the Central Government hereby directs that with effect from the 31st January, 1965, the said industry shall be added to Schedule I to the said Act.

[No. 4/5/64/PF-II.]

G.S.R. 1796.—In exercise of the powers conferred by clause (b) of sub-section (3) of section 1 of the Employees' Provident Funds Act, 1952 (19 of 1952), the Central Government hereby specifies the following classes of establishments in each of which twenty or more persons are employed, as the establishments to which the said Act shall apply with effect from the 31st January, 1965, namely:—

1. Travel agencies engaged in (i) booking of International Air and Sea Passages and other travel arrangements; (ii) booking of internal air and mail passages and other travel arrangements and (iii) forwarding and clearing of cargo from and to overseas and within India.
2. Forwarding agencies engaged in the collection, packing, forwarding or delivery of any goods including carloading, break-bulk service and foreign freight service.

[No. 4/8/62/PF-II.]

S. A. AHMAD, Dy. Secy.

MINISTRY OF COMMERCE

TEA CONTROL

New Delhi, the 14th December 1964

G.S.R. 1797.—The following amendments made by the Tea Board in exercise of the powers conferred by sub-section (1) of section 50 of the Tea Act, 1953 (29 of 1953) to the Tea Board By-laws, 1955, are hereby published for general information, the same having been confirmed by the Central Government as required by sub-section (2) of the said section, namely:—

In by-law 18 of the said by-laws—

- (1) for the figures "500/-" wherever they occur, the figures "575/-" shall be substituted;

(ii) for the figures "250/-" wherever they occur, the figures "300/-" shall be substituted; and

(iii) for the figures "50/-" wherever they occur, the figures "110/-" shall be substituted.

[No. 8(7) Plant (A)/64.]

G.S.R. 1798.—In exercise of the powers conferred by section 49 of the Tea Act, 1953 (29 of 1953), the Central Government hereby makes the following amendment in the Tea Board Employees (Conduct) Rules, 1962, the same having been previously published, as required by sub-section (1) of the said section namely:—

1. These rules may be called the Tea Board Employees (Conduct) (Second Amendment) Rules, 1964.

2. In the Tea Board Employees (Conduct) Rules, 1962, for rules 5 & 6 the following rules shall be substituted, namely:—

"5-Demonstrations

No employee shall engage himself or participate in any demonstration which is prejudicial to the interests of the sovereignty and integrity of India, the security of the State, friendly relations with foreign States, public order, decency or morality, or which involves contempt of court, defamation or incitement to an offence."

"6-Joining of Association by the employee of the Board:

No employee shall join, or continue to be a member of, an association the objects or activities of which are prejudicial to the interests of the sovereignty and integrity of India or public order or morality."

[No. 8(4) Plant (A)/64.]

B. KRISHNAMURTHY, Under Secy.

RESERVE BANK OF INDIA

(Exchange Control Department)

Bombay, the 17th November 1964

G.S.R. 1799.—In pursuance of the notification of the Government of India in the Ministry of Finance No. F. 1(67)-EC/57, dated 25th September 1958, the Reserve Bank of India hereby directs that the following further amendments shall be made in the Schedule to its Notification No. F.E.R.A. 168/58-RB, dated 4th December 1958, namely:—

In the said Schedule—

(i) after the entry "First National City Bank", the entry "General Bank of the Netherlands" shall be inserted; and

(ii) the entry "Netherlands Trading Society" shall be omitted.

[No. F.E.R.A. 227/64-R.B.]

(Sd.) Illegible,
Deputy Governor.

MINISTRY OF FINANCE

(Department of Company Affairs & Insurance)

New Delhi, the 19th December 1964

THE COMPANIES TRIBUNAL (APPEAL) RULES, 1964

G.S.R. 1800.—In exercise of the powers conferred by sub-section (1) of section 642 of the Companies Act, 1956 (1 of 1956), the Central Government hereby makes the following rules, namely:—

1. **Short title.**—These rules may be called the Companies Tribunal (Appeal) Rules, 1964.

2. Definitions.—In these rules, unless the context otherwise requires,—

(a) "Act" means the Companies Act, 1956 (1 of 1956);

(b) "Companies Tribunal" means the Tribunal constituted under sub-section (1) of section 10A of the Act.

3. Manner of preferring appeal.—Every appeal to the Companies Tribunal under sub-section (3) of section 635B of the Act shall be made in accordance with the procedure laid down in the Companies Tribunal Regulations, 1964.

4. Fee to be paid.—(1) Every memorandum of appeal shall be accompanied by a fee of rupees fifty.

(2) The fee shall be paid into a Government Treasury for credit under the Head "XXI—Miscellaneous Departments—Miscellaneous—Registration of Joint Stock Companies", and the relevant treasury receipt or challan shall be attached to the memorandum of appeal.

[File No. 5/11/64-PR.]

N. PARASURAMAN, Under Secy.

(Department of Revenue)

CUSTOMS AND CENTRAL EXCISE

New Delhi, the 19th December 1964

G.S.R. 1801.—In exercise of the powers conferred by sub-section (2) of section 75 of the Customs Act, 1962 (52 of 1962) and section 37 of the Central Excises and Salt Act, 1944 (1 of 1944), as in force in India, the Central Government hereby makes the following further amendment in the Customs and Central Excise Duties Export Drawback (General) Rules, 1960.

Amendment

These rules may be called the Customs and Central Excise Duties Export Drawback (General) Amendment Rules, 1964.

2. In the First Schedule to the Customs and Central Excise Duties Export Drawback (General) Rules, 1960 for the existing item at Serial No. 20 and entries relating thereto the following shall be substituted, namely:—

"20. Mixed total fatty acid obtained from Coconut Oil.—Three hundred fifty-three rupees per metric ton.

[No. 101/F.No.34(1)32/62-DBK.]

G.S.R. 1802.—In exercise of the powers conferred by sub-section (2) of section 75 of the Customs Act, 1962 (52 of 1962) and section 37 of the Central Excises and Salt Act, 1944 (1 of 1944), as in force in India, the Central Government hereby makes the following further amendment in the Customs and Central Excise Duties Export Drawback (General) Rules, 1960.

Amendment

These rules may be called the Customs and Central Excise Duties Export Drawback (General) Amendment Rules, 1964.

2. In the First Schedule to the Customs and Central Excise Duties Export Drawback (General) Rules, 1960 for the existing item at Serial No. 32 and the entries relating thereto the following shall be substituted, namely:—

"32. Silk fabrics and ready made garments made therefrom containing silk yarn other than noil yarn.—Two rupees and seventy paise per Kg. of silk yarn (other than noil yarn) content."

[No. 103/F.No.1/7/64-DBK.]

J. BANERJEE, Dy. Secy.

(Department of Revenue)

CUSTOMS

New Delhi, the 19th December 1964

G.S.R. 1803.—In exercise of the powers conferred by section 24 read with sub-section (3) of section 160 of the Customs Act, 1962 (62 of 1962), the Central Government hereby makes the following rules further to amend the Denatured Spirit (Ascertaining and Determining) Rules, 1957, published with the notification of the Government of India, Ministry of Finance (Department of Revenue) No. 140—Customs, dated the 6th July, 1957, namely:—

1. These rules may be called the Denatured Spirit (Ascertaining and Determining) Amendment Rules, 1964.
2. In the Denatured Spirit (Ascertaining and Determining) Rules, 1957, in rule 16, for the item "Varnishes", the following item shall be substituted, namely:—

"Varnishes, lacquers, paints, enamels and analogous preparations;"

[No. 169/64/F. No. 25/9/64-Cus. III.]

M. PANCHAPPA, Dy. Secy.

(Department of Revenue)

CENTRAL EXCISES

New Delhi, the 19th December 1964

G.S.R. 1804.—In pursuance of sub-rule (2) of rule 49 and rule 139 of the Central Excise Rules, 1944, the Central Government hereby directs that the provisions relating to the removal of goods from one warehouse to another shall extend, subject to the conditions specified below, to motor spirit, kerosene, refined diesel oils and industrial fuel oils (hereinafter referred to as the said goods) to which the provisions of Chapter VII of the said Rules have been extended by the notification of the Government of India in the Ministry of Finance (Revenue Division) No. CER-139(1)/56, dated the 9th June, 1956.

The said goods shall be permitted to be removed without payment of duty only—

- (a) from the storage tanks at the refinery at Trombay (Bombay) of Messrs. Burmah-Shell Refineries Limited, licensed under rule 140 as warehouses, to the storage tanks similarly licensed at the installations at Mormugao and Vasco-da-Gama in Goa of Messrs. Esso Standard Eastern, Inc.;
- (b) from the storage tanks at the refinery at Visakhapatnam of Messrs. Caltex Oil Refining (India) Limited, licensed under rule 140 as warehouses, to the storage tanks similarly licensed at the installations at Mormugao and Vasco-da-Gama in Goa of Messrs. Burmah-Shell Oil Storage and Distributing Company of India Limited or of Messrs. Esso Standard Eastern, Inc.;
- (c) from one storage tank to another situated in the said installations; and
- (d) from the storage tanks at the installations at Bombay, Kandla, Okha, Cochin, Madras, Visakhapatnam, Calcutta and Marine Oil Terminal Station at Butcher Island of Messrs. Burmah-Shell Oil Storage and Distributing Company of India Limited, or of Messrs. Esso Standard Eastern, Inc., or of Messrs. Caltex Oil Refining (India) Ltd., licensed under rule 140 as warehouses, to the storage tanks similarly licensed at the installations at Mormugao and Vasco-da-Gama in Goa of Messrs. Burmah-Shell Oil Storage and Distributing Company of India Limited, or of Messrs. Esso Standard Eastern, Inc.

[No. 185/64-C.E.-F. No. 8/85/64-CX.III.]

N. B. SANJANA, Under Secy.

(Department of Revenue)

CENTRAL EXCISES

New Delhi, the 19th December 1964

G.S.R. 1805.—In exercise of the powers conferred by sub-section (2) of section 3 of the Central Excises and Salt Act, 1944 (1 of 1944) and in supersession of the notification of the Government of India in the Ministry of Finance (Department of Revenue) No. 6/63-Central Excises, dated the 12th January, 1963, relating to fixation of tariff values for rubber insulated cables and flexible cords, the Central Government hereby fixes for,

- (i) rubber insulated cables and flexible cords,
- (ii) P.V.C. or polythene insulated cables and flexible cords, and
- (iii) P.V.C. insulated automobile cables specified in column 2 of Table I, Table II and Table III, respectively, hereto appended and chargeable with duty *ad valorem* under Item No. 33B of the First Schedule to the said Act, the tariff value specified in the corresponding entry in column 3 of Table I, Table II or Table III, as the case may be:

Provided that—

- (1) the tariff valuation for any item included in Table I or Table II packed in packings of lengths other than 50 metres shall be proportionate to that specified in column 3 of Table I or Table II, as the case may be;
 - (2) the tariff valuation for any item included in Table III on spools in lengths other than 30 metres shall be proportionate to that specified in column 3 thereof;
 - (3) for any item produced in any industrial undertaking other than an industrial undertaking to which the Industries (Development and Regulation) Act, 1951 (65 of 1951) applies, tariff valuation applicable shall be reduced by twenty per cent;
 - (4) for any item which is not manufactured according to, or which does not bear any mark or symbol of, the Indian Standard specification or the British Standard specification or any other International Standard specification, the tariff value shall be ten per cent less than the tariff value which would have been otherwise applicable.
2. Nothing in this notification shall apply to an insulated electric wire and cable manufactured according to special specification given by a purchaser.

TABLE I
Rubber Insulated Cables and Flexible Cords.

S. No.	Description				Tariff Value for 50 metres length
1	2		3		
	Metric System		British System		
	Nominal area in square millimetres	Wire and Strand No./mm.	Nominal area in square inches	Wires & strand No./inch.	Rs.
	2(a)	2(b)	2(c)	2(d)	
I. SINGLE CORE TAPED OR UNTAPED, BRAIDED & COMPOUNDED 660 V					
<i>Copper Conductor, tinned or untinned</i>					
1.00		1/1.120	.0015	1/.044	16.50
1.25		3/0.730	.0020	3/.029	19.10
			.0030	1/.064	19.80
2.00		3/0.925	.0030	3/.036	21.70
3.00		7/0.730	.0045	7/.029	28.60
4.50		7/0.925	.0070	7/.036	38.70

I	2				3
	2(a)	2(b)	2(c)	2(d)	Rs.
<i>Aluminium Conductor</i>					
4.00	1/2.24				24.90
6.00	1/2.80				30.20
10.00	1/3.55				40.40
16.00	7/1.70				54.70
25.00	7/2.24				77.00
35.00	7/2.50				95.50
50.00	7/3.00				128.70
70.00	19/2.24				196.10
95.00	19/2.50				231.80
120.00	37/2.06				293.40
150.00	37/2.24				336.60
185.00	37/2.50				410.00
225.00	37/2.80				488.90
300.00	61/2.50				627.20
400.00	61/3.00				849.20
500.00	91/2.65				963.90
625.00	91/3.00				1224.60

II. SINGLE CORE TAFED OR UNTAFED, BRAIDED AND CCMFCUNTED 250 V

Copper Conductor, tinned or untinned

1.00	1/1.120	.0015	1/.044	11.70
1.25	3/0.730	.0020	3/.029	13.90
		.0030	1/.064	15.00
2.00	3/0.925	.0030	3/.036	16.70
3.00	7/0.730	.0045	7/.029	23.10
4.50	7/0.925	.0070	7/.036	28.50

Aluminium Conductor

4.00	1/2.24			17.50
6.00	1/2.80			20.90
10.00	1/3.55			31.10
16.00	7/1.70			45.50
25.00	7/2.24			67.00
35.00	7/2.50			85.20
50.00	7/3.00			110.80

III. SINGLE CORE, LEAD ALLOY SHEATHED 250 V

Copper conductor, tinned or untinned

1.00	1/1.120	.0015	1/.044	33.10
1.25	3/0.730	.0020	3/.029	38.90
2.00	3/0.925	.0030	3/.036	44.70
3.00	7/0.730	.0045	7/.029	52.30
4.50	7/0.925	.0070	7/.036	64.60

Aluminium Conductor

4.00	1/2.24			50.30
6.00	1/2.80			59.20
10.00	1/3.55			82.00
16.00	7/1.70			117.70
25.00	7/2.24			167.70
35.00	7/2.50			188.80
50.00	7/3.00			231.50

1	2	3	
2(d)	2(b)	2(c)	2(d)

IV. FLAT TWIN LEAD ALLOY SHEATHED 250 V.

Copper conductor, tinned or untinned

1'00	1/1'120	·0015	1/·044	49'90
1'25	3/0'730	·0020	3/·029	59'90
2'00	3/0'925	·0030	3/·036	79'00
3'00	7/0'730	·0045	7/·029	97'30
4'50	7/0'925	·0070	7/·036	121'60

Aluminium conductor.

4'00	1/2'24			95'20
6'00	1/2'80			115'40
10'00	1/3'55			152'90
16'00	7/1'70			208'50

V. FLAT LEAD ALLOY SHEATHED 3 CORE 250 V.

Copper conductor, tinned or untinned

1'00	1/1'120	·0015	1/·044	68'40
1'25	3/0'730	·0020	3/·029	95'40
2'00	3/0'925	·0030	3/·036	112'70
3'00	7/0'730	·0045	7/·029	135'10
4'50	7/0'925	·0070	7/·036	172'30

Aluminium conductor.

4'00	1/2'24			131'80
6'00	1/2'80			152'60
10'00	1/3'55			223'90
16'00	7/1'70			311'80

VI. FLAT TWIN LEAD ALLOY SHEATHED WITH EARTH CONTINUITY CONDUCTOR 250 V.

Copper conductor, tinned or untinned

1'00	1/1'120	·0015	1/·044	52'60
1'25	3/0'730	·0020	3/·029	62'60
2'00	3/0'925	·0030	3/·036	82'10
3'30	7/0'730	·0045	7/·029	102'50
4'50	7/0'925	·0070	7/·036	126'50

Aluminium conductor

4'00	1/2'24			97'80
6'00	1/2'80			118'20
10'00	1/3'55			157'40
16'00	7/1'70			217'10

VII. SINGLE CORE TOUGH RUBBER SHEATHED 250 V.

Copper conductor, tinned or untinned

1'00	1/1'120	·0015	1/·044	15'10
1'25	3/0'730	·0020	3/·029	17'60
2'00	3/0'925	·0030	3/·036	22'60
3'00	7/0'730	·0045	7/·029	28'
4'50	7/0'925	·0070	7/·036	36'

1	2	3
2(a)	2(b)	2(c) (2d)
<i>Aluminium Conductor.</i>		
4'00	1/2'24	23'30
6'00	1/2'80	29'00
10'00	1/3'55	42'30
16'00	7/1'70	60'20
25'00	7/2'24	113'20
35'00	7/2'50	133'30
50'00	7/3'00	158'70

VIII. SINGLE CORE TOUGH RUBBER SHEATHED 660 V.

Copper conductor, tinned or untinned

1'00	1/1'120	0015	1'044	24'10
1'25	3/0'730	0020	3/029	27'70
2'00	3/0'925	0030	3/036	31'80
3'00	7/0'730	0045	7/029	38'70
4'50	7/0'925	0070	7/036	50'50

Aluminium Conductor

4'00	1/2'24	36'50
6'00	1/2'80	45'70
10'00	1/3'55	55'00
16'00	7/1'70	71'50
25'00	7/2'24	127'90
35'00	7/2'50	139'80
50'00	7/3'00	173'20
70'00	19/2'24	241'30

IX. FLAT TWIN TOUGH RUBBER SHEATHED 250 V.

Copper conductor tinned or untinned

1'00	1/1'120	0015	1'044	25'50
1'25	3/0'730	0020	3/029	31'70
2'00	3/0'925	0030	3/036	41'40
3'00	7/0'730	005	7/029	51'20
4'50	7/0'925	0070	7/0 6	69'40

Aluminium conductor

4'00	1/2'24	41'40
6'00	1/2'80	53'80
10'00	1/3'55	79'00
16'00	7/1'70	139'90
25'00	7/2'24	207'60
35'00	7/2'50	262'00
50'00	7/3'00	334'90

X. FLAT 3 CORE TOUGH RUBBER SHEATHED 250 V.

Copper conductor, tinned or untinned

1'00	1/1'120	0015	1'044	37'80
1'25	3/0'730	0020	3/029	50'10
2'00	3/0'925	0030	3/036	63'00
3'00	7/0'730	0045	7/029	78'70
4'50	7/0'925	0070	7/036	108'70

1	2	3
2(a)	2(b)	2(c) 2(d)
<i>Aluminium conductor</i>		
4.00	1/2.24	70.70
6.00	1/2.80	85.00
10.00	1/3.55	144.60
16.00	7/1.70	192.60

XI. TWIN FLAT TOUGH RUBBER SHEATHED WITH EARTH CONTINUITY CONDUCTOR 250 V.

Copper conductor, tinned or untinned

1.00	1/1.120	.0015	1/.044	30.60
1.25	3/0.730	.0020	3/.029	36.00
2.00	3/0.925	.0030	3/.036	45.40
3.00	7/0.730	.0045	7/.029	63.20
4.50	7/0.925	.0070	7/.036	87.60

Aluminium conductor.

4.00	1/2.24	55.90
6.00	1/2.80	67.40
10.00	1/3.55	103.10
16.00	7/1.70	152.80

XII. SINGLE CORE WEATHER PROOF 250 V

Copper conductor, tinned or untinned

1.00	1/1.120	.0015	1/.044	16.50
1.25	3/0.730	.0020	3/.029	20.70
2.00	3/0.925	.0030	3/.036	24.70
3.00	7/0.730	.0045	7/.029	30.60
4.50	7/0.925	.0070	7/.036	39.20

Aluminium conductor

4.00	1/2.24	25.60
6.00	1/2.80	31.10
10.00	1/3.55	43.30
16.00	7/1.70	61.20
25.00	7/2.24	88.40
35.00	7/2.50	107.20
50.00	7/3.00	135.50

XIII. SINGLE CORE WEATHER PROOF CABLES 660 V

Copper conductor, tinned or untinned

1.00	1/1.120	.0015	1/.044	24.70
1.25	3/0.730	.0020	3/.029	28.50
2.00	3/0.925	.0030	3/.036	32.40
3.00	7/0.730	.0045	7/.029	40.00
4.50	7/0.925	.0070	7/.036	48.50

Aluminium conductor

4.00	1/2.24	38.50
6.00	1/2.80	43.70
10.00	1/3.55	54.20
16.00	7/1.70	73.20
25.00	7/2.24	98.00
35.00	7/2.50	117.80
50.00	7/3.00	152.40
70.00	19/2.24	228.20
95.00	19/2.50	265.70
120.00	37/2.06	341.30
150.00	37/2.24	377.80
185.00	37/2.50	456.50
225.00	37/2.80	539.20
300.00	61/2.50	682.10

1	2	3
2(a)	2(b)	2(c) 2(d)

XIV. FLAT TWIN WEATHER PROOF 250 V

Copper conductor tinned or untinned

1.00	1/1.120	.0015	1/1.044	29.30
1.25	3/0.730	.0020	3/1.029	38.20
2.00	3/0.925	.0030	3/1.036	46.00
3.00	7/0.730	.0045	7/1.029	58.90
4.50	7/0.925	.0070	7/1.036	78.60

Aluminium conductor

4.00	1/2.24			50.10
6.00	1/2.80			63.60
10.00	1/3.55			90.60
16.00	7/1.70			122.60
25.00	7/2.24			171.30
35.00	7/2.50			209.20
50.00	7/3.00			271.00

XV. TWIN CORE FLAT WEATHER PROOF 660 V

Copper conductor, tinned or untinned

1.00	1/1.120	.0015	1/1.044	46.10
1.25	3/0.730	.0020	3/1.029	52.80
2.00	3/0.925	.0030	3/1.036	61.00
3.00	7/0.730	.0045	7/1.029	77.10
4.50	7/0.925	.0070	7/1.036	99.90

Aluminium conductor

4.00	1/2.24			74.70
6.00	1/2.80			86.10
10.00	1/3.55			106.60
16.00	7/1.70			138.50
25.00	7/2.24			187.60
35.00	7/2.50			233.10
50.00	7/3.00			291.90

XVI. TWIN TOUGH RUBBER SHEATHED FLEXIBLE 250 V

Copper conductor, tinned or untinned

0.40	13/0.200	.0006	14/1.0076	37.50
0.65	22/0.200	.0010	23/1.0076	43.00
1.20	38/0.200	.0017	40/1.0076	52.10
2.00	65/0.200	.0030	70/1.0076	71.50
3.00	103/0.200	.0048	110/1.0076	94.80
4.50	151/0.200	.0070	162/1.0076	154.70

XVII. TOUGH RUBBER SHEATHED FLEXIBLE 3 CORE 250 V

Copper conductor, tinned or untinned

0.40	13/0.200	.0006	14/1.0076	46.80
0.65	22/0.200	.0010	23/1.0076	53.80
1.20	38/0.200	.0017	40/1.0076	69.40
2.00	65/0.200	.0030	70/1.0076	93.00
3.00	103/0.200	.0048	110/1.0076	131.40
4.50	151/0.200	.0070	162/1.0076	211.10

I	2	3	
2(a)	2(b)	2(c)	2(d)
XVIII. TOUGH RUBBER SHEATHED FLEXIBLE 4 CORE 250 V			
Copper conductor, tinned or untinned.			
0.40	13/0.200	.0006 14/.0076	62.70
0.65	22/0.200	.0010 23/.0076	74.50
1.20	38/0.200	.0017 40/.0076	91.10
2.00	65/0.200	.0030 70/.0076	123.30
3.00	103/0.200	.0048 110/.0076	170.40
		.0070 162/.0076	265.60
XIX. TWIN CORE UNKINKABLE DOMESTIC FLEXIBLE 250 V			
Copper conductor, tinned or untinned.			
0.40	13/0.200	.0006 14/.0076	51.70
0.65	22/0.200	.0010 23/.0076	58.90
1.20	38/0.200	.0017 40/.0076	68.00
2.00	65/0.200	.0030 70/.0076	86.00
3.00	103/0.200	.0048 110/.0076	112.90
		.0070 162/.0076	163.50
XX. 3 CORE CIRCULAR UNKINKABLE DOMESTIC FLEXIBLE 250 V			
Copper conductor, tinned or untinned.			
0.40	13/0.200	.0006 14/.0076	64.70
0.65	22/0.200	.0010 23/.0076	72.20
1.20	38/0.200	.0017 40/.0076	84.00
2.00	65/0.200	.0030 70/.0076	105.20
3.00	103/0.200	.0048 110/.0076	141.90
		.0070 162/.0076	204.90
XXI. TWIN TWISTED GLACE COTTON BRAIDED FLEXIBLE 250 V			
Copper conductor, tinned or untinned.			
0.40	13/0.200	.0006 14/.0076	25.90
0.65	22/0.200	.0010 23/.0076	29.30
1.20	38/0.200	.0017 40/.0076	36.40
2.00	65/0.200	.0030 70/.0076	48.50
3.00	103/0.200	.0048 110/.0076	69.10
4.50	151/0.200	.0070 162/.0076	108.90
XXII. 3 CORE TWISTED GLACE COTTON BRAIDED FLEXIBLE 250 V			
Copper conductor, tinned or untinned.			
0.40	13/0.200	.0006 14/.0076	41.60
0.65	22/0.200	.0010 23/.0076	47.60
1.20	38/0.200	.0017 40/.0076	58.70
2.00	65/0.200	.0030 70/.0076	77.30
3.00	103/0.200	.0048 110/.0076	104.70
		.0070 162/.0076	162.80
XXIII. TWIN CIRCULAR OR TWISTED BRAIDED AND COMPOUNDED WORKSHOP FLEXIBLE 250 V			
Copper conductor, tinned or untinned.			
0.40	13/0.200	.0006 14/.0076	29.70
0.65	22/0.200	.0010 23/.0076	35.30
1.20	38/0.200	.0017 40/.0076	42.80
2.00	65/0.200	.0030 70/.0076	61.20
3.00	103/0.200	.0048 110/.0076	79.10
		.0070 162/.0076	121.30

1	2	3
2(a)	2(b)	2(c) 2(d)
XXIV. 3 CORE CIRCULAR OR TWISTED BRAIDED AND COMPOUNDED WORKSHOP FLEXIBLE 250 V		
<i>Copper conductor, tinned or untinned.</i>		
0.40	13/0.200	.0006 14/0.0076 38.10
0.65	22/0.200	.0010 23/0.0076 45.40
1.20	38/0.200	.0017 40/0.0076 56.80
2.00	65/0.200	.0030 70/0.0076 78.00
3.00	103/0.200	.0048 110/0.0076 103.50
		.0070 162/0.0076 161.90

TABLE II

P.V.C. or Polythene insulated Cables and flexible cords

Sl. No.	Description	Tariff value for 50 Metres Length
1	2	3
Metric System		British System
Nominal area in square millimetres	Wire & strand No./mm.	Nominal area in square inches Wire & strand No./inch
2(a)	2(b)	2(c) 2(d)
I. SINGLE CORE UNSHEATHED P. V. C. INSULATED 250 V		
<i>Copper conductor, tinned or untinned</i>		
1.00	1/1.200	.0015 1/0.044 10.50
1.25	3/0.730	.0020 3/0.029 12.90
2.00	3/0.925	.0030 3/0.036 16.50
3.00	7/0.730	.0045 7/0.029 20.30
4.50	7/0.925	.0070 7/0.036 28.30
<i>Aluminum conductor</i>		
1.50	1/1.40	9.50
2.50	1/1.80	12.20
4.00	1/2.24	17.10
6.00	1/2.80	20.50
10.00	1/3.55	36.40
16.00	7/1.70	56.10
25.00	7/2.24	81.00
35.00	7/2.50	96.70
50.00	7/3.00	124.10

II. SINGLE CORE P.V.C. INSULATED AND P.V.C. SHEATHED 250 V

<i>Copper conductor, tinned or untinned.</i>		
1.00	1/1.200	.0015 1/0.044 21.80
1.25	3/0.730	.0020 3/0.029 25.60
2.00	3/0.925	.0030 3/0.036 29.80
3.00	7/0.730	.0045 7/0.029 34.50
4.50	7/0.925	.0070 7/0.036 45.20

1		2	3	
2(a)	2(b)	2(c)	2(d)	
<i>Aluminium conductor</i>				
1.50	1/1.40			20.00
2.50	1/1.80			23.00
4.00	1/2.24			31.30
6.00	1/2.80			36.20
10.00	1/3.55			60.10
16.00	7/1.70			92.00
25.00	7/2.24			124.50

III. SINGLE CORE UNSHEATHED P.V.C. INSULATED 660 V

<i>Copper conductor tinned or untinned</i>				
1.00	1/1.200	.0015	1/.044	13.70
1.25	3/0.730	.0020	3/.029	16.80
2.00	3/0.925	.0030	3/.036	20.20
3.00	7/0.730	.0045	7/.029	24.30
4.50	7/0.925	.0070	7/.036	32.90
<i>Aluminium conductor</i>				
1.50	1/1.40			10.80
2.50	1/1.80			14.00
4.00	1/2.24			22.80
6.00	1/2.80			26.90
10.00	1/3.55			40.70
16.00	7/1.70			58.90
25.00	7/2.24			84.30
35.00	7/2.50			101.50
50.00	7/3.00			130.30

IV. SINGLE CORE P.V.C. INSULATED & P.V.C. SHEATHED 660 V

<i>Copper conductor, tinned or untinned</i>				
1.00	1/1.200	.0015	1/.044	30.90
1.25	3/0.730	.0020	3/.029	35.20
2.00	3/0.925	.0030	3/.036	41.30
3.00	7/0.730	.0045	7/.029	47.00
4.50	7/0.925	.0070	7/.036	58.90
<i>Aluminium conductor</i>				
10.00	1/3.55			84.60
16.00	7/1.70			102.60
25.00	7/2.24			137.80
35.00	7/2.50			154.40
50.00	7/3.00			191.90

V. FLAT TWIN P. V. C. INSULATED & SHEATHED 250 V

<i>Copper conductor, tinned or untinned</i>				
1.00	1/1.200	.0015	1/.044	34.90
1.25	3/0.730	.0020	3/.029	42.20
2.00	3/0.925	.0030	3/.036	55.60
3.00	7/0.730	.0045	7/.029	65.70
4.50	7/0.925	.0070	7/.036	86.80
<i>Aluminium conductor</i>				
1.50	1/1.40			38.80
2.50	1/1.80			46.20
4.00	1/2.24			59.20
6.00	1/2.80			70.70
10.00	1/3.55			114.30
16.00	7/1.70			176.20

1	2	3
2(a)	2(b)	2(c) 2(d)

VI. FLAT TWIN P. V. C. INSULATED AND SHEATHED 660 V

<i>Copper conductor, tinned or untinned</i>			
1'00	1/1'200	·0015 1/·044	61'80
1'25	3/0'730	·0020 3/·029	69'80
2'00	3/0'925	·0030 3/·036	78'40
3'00	7/0'730	·0045 7/·029	90'70
4'50	7/0'925	·0070 7/·036	115'90
<i>Aluminium conductor</i>			
10'00	1/3'55		159'10
16'00	7/1'70		198'60

VII. FLAT 3 CORE P.V.C. INSULATED AND SHEATHED 250 V

<i>Copper conductor, tinned or untinned</i>			
1'00	1/1'200	·0015 1/·044	48'70
1'25	3/0'730	·0020 3/·029	65'00
2'00	3/0'925	·0030 3/·036	78'30
3'00	7/0'730	·0045 7/·029	93'10
4'50	7/0'925	·0070 7/·036	125'50
<i>Aluminium conductor</i>			
4'00	1/2'24		93'00
6'00	1/2'80		109'50

VIII. FLAT 3 CORE P. V C. INSULATED AND SHEATHED 660 V

<i>Copper conductor, tinned or untinned</i>			
1'00	1/1'200	·0015 1/·044	88'80
1'25	3/0'730	·0020 3/·029	104'00
2'00	3/0'925	·0030 3/·036	119'70
3'00	7/0'730	·0045 7/·029	135'40
4'50	7/0'925	·0070 7/·036	175'80

IX. SINGLE CORE P. V. C. INSULATED WEATHER PROOF 250 V

<i>Copper conductor, tinned or untinned</i>			
1'00	1/1'200	·0015 1/·044	12'80
1'25	3/0'730	·0020 3/·029	15'40
2'00	3/0'925	·0030 3/·036	18'50
3'00	7/0'730	·0045 7/·029	22'70
4'50	7/0'925	·0070 7/·036	32'90
<i>Aluminium conductor</i>			
1'50	1/1'40		12'60
2'50	1/1'80		18'00
4'00	1/2'24		21'20
6'00	1/2'80		25'90
10'00	1/3'55		40'50
16'00	7/1'70		59'30
25'00	7/2'24		89'20
35'00	7/2'50		104'10
50'00	7/3'00		133'80

1	2	3		
2(a)	2(b)	2(c)	2(d)	
X. SINGLE CORE P.V.C. INSULATED WEATHER PROOF 660 V				
<i>Copper conductor, tinned or untinned</i>				
1·00	1/1·200	·0015	1/·044	18·30
1·25	3/0·730	·0020	3/·029	21·60
2·00	3/0·925	·0030	3/·036	25·50
3·00	7/0·730	·0045	7/·029	29·60
4·50	7/0·925	·0070	7/·036	41·40
<i>Aluminium conductor</i>				
1·50	1/1·40			15·00
2·50	1/1·80			22·50
4·00	1/2·24			29·10
6·00	1/2·80			37·00
10·00	1/3·55			49·60
16·00	7/1·70			73·10
25·00	7/2·24			99·90
35·00	7/2·50			114·70
50·00	7/3·00			148·30

XI. FLAT TWIN P.V. C. INSULATED WEATHER PROOF 250 V

<i>Copper conductor, tinned or untinned</i>				
1·00	1/1·200	·0015	1/·044	22·50
1·25	3/0·730	·0020	3/·029	29·90
2·00	3/0·925	·0030	3/·036	35·80
3·00	7/0·730	·0045	7/·029	43·90
4·50	7/0·925	·0070	7/·036	60·90
<i>Aluminium conductor</i>				
1·50	1/1·40			21·60
2·50	1/1·80			34·30
4·00	1/2·24			38·00
6·00	1/2·80			48·50
10·00	1/3·55			78·20
16·00	7/1·70			117·10
25·00	7/2·24			169·30
35·00	7/2·50			199·50
50·00	7/3·00			261·40

XII. FLAT TWIN P.V.C. INSULATED WEATHER PROOF 660 V

<i>Copper conductor, tinned or untinned</i>				
1·00	1/1·200	·0015	1/·044	32·10
1·25	3/0·730	·0020	3/·029	41·20
2·00	3/0·925	·0030	3/·036	48·20
3·00	7/0·730	·0040	7/·029	56·90
4·50	7/0·925	·0070	7/·036	77·40
<i>Aluminium conductor</i>				
1·50	1/1·40			27·50
2·50	1/1·80			40·00
4·00	1/2·24			55·70
6·00	1/2·80			72·40
10·00	1/3·55			97·00
16·00	7/1·70			137·10
25·00	7/2·24			189·70
35·00	7/2·50			226·60
50·00	7/3·00			282·40

1	2	3
I 2(a)	2(b)	2(c) 2(d) 3

XIII. SINGLE CORE P.V.C. INSULATED FLEXIBLE 250 V

Copper conductor, tinned or untinned

0.40	13/0.200	.0006	14/0.0076	7.70
0.65	22/0.200	.0010	23/0.0076	9.60
1.20	38/0.200	.0017	40/0.0076	12.40
2.00	65/0.200	.0030	70/0.0076	17.40
3.00	103/0.200	.0048	110/0.0076	23.00
4.50	151/0.200	.0070	162/0.0076	33.00

XIV. TWIN TWISTED P.V.C. INSULATED FLEXIBLE 250 V

Copper conductor, tinned or untinned

0.40	13/0.200	.0006	14/0.0076	16.00
0.65	22/0.200	.0010	23/0.0076	20.20
1.20	38/0.200	.0017	40/0.0076	26.10
2.00	65/0.200	.0030	70/0.0076	36.30
3.00	103/0.200	.0048	110/0.0076	48.60
4.50	151/0.200	.0070	162/0.0076	69.40

XV. TWIN P.V.C. INSULATED AND SHEATHED FLEXIBLE 250 V

Copper conductor, tinned or untinned

0.40	13/0.200	.0006	14/0.0076	41.50
0.65	22/0.200	.0010	23/0.0076	48.40
1.20	38/0.200	.0017	40/0.0076	57.10
2.00	65/0.200	.0030	70/0.0076	78.00
3.00	103/0.200	.0048	110/0.0076	95.00
4.50	151/0.200	.0070	162/0.0076	124.70

XVI. P.V.C. INSULATED AND SHEATHED FLEXIBLE—3 CORE 250 V

Copper conductor, tinned or untinned.

0.40	13/0.200	.0006	14/0.0076	49.90
0.65	22/0.200	.0010	23/0.0076	59.00
1.20	38/0.200	.0017	40/0.0076	76.90
2.00	65/0.200	.0030	70/0.0076	98.60
3.00	103/0.200	.0048	110/0.0076	121.70
4.50	151/0.200	.0070	162/0.0076	163.80

XVIII. P.V.C. INSULATED AND SHEATHED FLEXIBLE—4 CORE 250 V

Copper conductor, tinned or untinned.

0.40	13/0.200	.0006	14/0.0076	61.50
0.65	22/0.200	.0010	23/0.0076	79.10
1.20	38/0.200	.0017	40/0.0076	95.30
2.00	65/0.200	.0030	70/0.0076	119.90
3.00	103/0.200	.0048	110/0.0076	152.80
4.50	151/0.200	.0070	162/0.0076	206.90

1	2	3
2(a)	2(b)	2(c) 2(d)

XVIII. SINGLE CORE P. V. C. INSULATED FLEXIBLE 660 V

Copper conductor, tinned or untinned

0·40	13/0·200	·0006	14/·0075	14·40
0·65	22/0·200	·0010	23/·0076	15·60
1·20	38/0·200	·0017	40/·0076	20·10
2·00	65/0·200	·0030	70/·0076	37·60

XIX. POLYTHENE INSULATED, TAPED, BRAIDED AND WEATHER PROOF COMPOUNDED—TWIN CORE 600 V

Aluminium conductor

1·50	1/1·40	24·80
2·50	1/1·80	36·00
4·00	1/2·24	45·00
6·00	1/2·28	56·30
10·00	1/3·55	76·50
16·00	7/1·70	103·50

XX. POLYTHENE INSULATED, TAPED, BRAIDED AND WEATHER PROOF COMPOUNDED—SINGLE CORE 600 V

Aluminium conductor

1·50	1/1·40	13·50
2·50	1/1·80	20·30
4·00	1/2·24	24·30
6·00	1/2·28	29·30
10·00	1/3·55	40·50
16·00	7/1·70	54·90
25·00	7/2·24	74·30
35·00	7/2·50	96·80
50·00	7/3·00	128·30
50·00	19/1·80	130·50

XXI. POLYTHENE INSULATED, TAPED, BRAIDED AND WEATHER PROOF COMPOUNDED—TWIN CORE 250 V

Aluminium conductor.

1·50	1/1·40	21·60
2·50	1/1·80	33·80
4·00	1/2·24	42·30
6·00	1/2·80	54·00
10·00	1/3·55	72·00
16·00	7/1·70	99·00

XXII. POLYTHENE INSULATED, TAPED, BRAIDED AND WEATHER PROOF COMPOUNDED—SINGLE CORE 250 V

Aluminium conductor

1·50	1/1·40	12·60
2·50	1/1·80	18·00
4·00	1/2·24	22·50
6·00	1/2·28	27·90
10·00	1/3·55	36·00
16·00	7/1·70	52·30
35·00	7/2·24	66·60
20·00	7/2·50	92·30
55·00	7/3·00	121·50
50·00	19/1·80	123·80

I	2	3
2(a)	2(b)	2(c) 2(d)
XXIII. POLYTHENE INSULATED, P. V. C. SHEATHED—TWIN CORE 250 V		
<i>Aluminium conductor</i>		
1.50	1/1.40	23.40
2.50	1/1.80	36.00
4.00	1/2.24	45.00
6.00	1/2.80	49.50
10.00	1/3.55	85.50
16.00	7/1.70	130.50

XXIV. POLYTHENE INSULATED P. V. C. SHEATHED—SINGLE CORE 250 V		
<i>Aluminium conductor</i>		
1.50	1/1.40	13.50
2.50	1/1.80	19.80
4.00	1/2.24	24.80
6.00	1/2.80	26.10
10.00	1/3.55	44.10
16.00	7/1.70	67.50
25.00	7/2.24	90.00
35.00	7/2.50	126.00
50.00	7/3.00	168.80
50.00	19/1.80	171.00

TABLE III
P. V. C. Insulated Automobile Cables

S. No.	Description	Tariff value for 30 metres length on spool
1	2	3
Conductor size	Capacity in amperes	Rs.
2(a)	2(b)	
I. P. V. C. INSULATED AUTOMOBILE CABLES—PLAIN OR SPIRAL MARKED		
7/.012"	3.5	4.20
9/.012"	4.0	4.90
14/.012"	7.0	6.30
28/.012"	12.0	9.10
35/.012"	17.0	12.60
44/.012"	19.0	15.70
65/.012"	25.0	20.00
120/.012"	30.0	38.00
14/.02"		
4 Core Steering }	7.0	41.30
Column Cable }		
16/.012" (H.T.)	9.0	13.10

II. P. V. C. INSULATED AUTOMOBILE CABLES—BRAIDED & LACQUERED		
9/.012"	4.0	6.60
14/.012"	7.0	9.30
28/.012"	12.0	11.00
35/.012"	17.0	15.50
44/.012"	19.0	18.60
65/.012"	25.0	20.70

MINISTRY OF WORKS & HOUSING*New Delhi, the 5th December 1964*

G.S.R. 1806.—The following draft of certain rules further to amend the Explosives Rules, 1940, which the Central Government proposes to make in exercise of the powers conferred by sections 5 and 7 of the Indian Explosives Act, 1884 (4 of 1884), is hereby published, as required by section 18 of the said Act, for the information of all persons likely to be affected thereby and notice is hereby given that the said draft will be taken into consideration on or after the 28th December, 1964.

Any objection or suggestion, which may be received from any person in respect of the said draft before the date so specified will be considered by the Central Government.

DRAFT RULES

1. These rules may be called the Explosives (Fourth Amendment) Rules, 1964.

2. In the Explosives Rules, 1940—

(1) in rule 86—

(a) for clause (ii) of sub-rule (1), the following clause shall be substituted, namely:—

“(ii) in the case of a licence under Article 8 of Schedule IV, according to the procedure laid down in sub-rules (2) to (9).”;

(b) for sub-rule (9), the following sub-rule shall be substituted, namely:—

“(9) If the District Authority objects to the grant of the licence on any of the grounds specified in sub-rule (8), no licence shall be granted by the Chief Inspector except with the sanction of the Central Government.”;

(c) sub-rule (10) shall be omitted;

(ii) in rule 87, for sub-rule (4), the following sub-rule shall be substituted, namely:—

“(4) On receipt of the statement referred to in sub-rule (3), the Chief Inspector shall after making such enquiry, if any, as he may consider necessary communicate his decision to the District Authority.”;

(iii) in rule 90, for sub-rule (1), the following sub-rule shall be substituted, namely:—

“(1) Any licence granted under these rules may be amended by the authority empowered to grant the licence:

Provided that the amendments shall not be inconsistent with any rule in this chapter.”

[No. 3/16/63-P.H.]

P. RAJARATNAM, Under Secy.

(Central Boilers Board)*New Delhi, the 11th December 1964*

G.S.R. 1807.—In exercise of the powers conferred by section 28 of the Indian Boilers Act, 1923 (5 of 1923), the Central Boilers Board hereby makes the following Regulations further to amend the Indian Boilers Regulations, 1950, the same having been previously published as required by sub-section (1) of section 31 of the said Act, namely:—

1. These Regulations may be called the Indian Boiler (Tenth Amendment) Regulations, 1964.

2. In the Indian Boiler Regulations, 1950,—

(1) in Regulation 4,—

(i) for sub-clause (i) of clause (b), the following clause shall be substituted, namely:—

“(i) All boilers during construction shall be under the supervision of an Inspecting Officer and shall be inspected at all stages of construction prescribed in Appendix J. Tubes and steampipes shall

also be inspected at the maker's works at the stages prescribed in Appendix J, and the tests conducted by the makers shall also be witnessed by the Inspecting Officer.”;

- (ii) in clause (c), in para (3) of sub-clause (iv), for the word and figure “Form IV” the following words, figures and letter shall be substituted, namely:—

“Form IV or Form III-B, as the case may be.”

- (iii) for clause (c), the following clauses shall be substituted, namely:—

“(c) Certificates for steam pipes—A certificate of manufacture and test in Form III-A, signed by the maker and the Inspecting Authority shall be furnished.

(f) Certificates for tubes—A certificate of manufacture and test in Form III-B, signed by the maker and the Inspecting Authority shall be furnished.”

- (2) in Regulation 26, for the word and figure “Form IV”, the following words, figures and letter shall be substituted, namely:—

“Form IV or Form III-B, as the case may be.”

- (3) in Regulation 27, for the word and figure “Form IV”, the following words, figures and letter shall be substituted, namely:—

“Form IV or Form III-B, as the case may be.”

- (4) for the heading above Regulation 36, the following heading shall be substituted, namely:—

“COLD DRAWN SEAMLESS STEEL BOILER AND SUPER-HEATER TUBES FOR DESIGN METAL TEMPERATURES NOT EXCEEDING 454°C. (850°F)”.

- (5) for the heading above Regulation 43, the following heading shall be substituted, namely:—

“HOT FINISHED SEAMLESS CARBON STEEL BOILER AND SUPER-HEATER TUBES FOR DESIGN METAL TEMPERATURES NOT EXCEEDING 454°C. (850°F)”

- (6) in Regulation 151, for clause (f), the following clause shall be substituted, namely:—

“(f) For design metal temperatures over 454°C (850°F) material to be used shall be in accordance with the Regulations 48, 53 and 56A.”

- (7) in Regulation 271, for clauses (i) and (ii), the following clauses shall be substituted, namely:—

“(i) For temperatures at or below 454°C (850°F), the smaller of the two values:

$$\frac{f-Et}{1.6} \quad \text{or} \quad \frac{R}{3.5}$$

(Note.—The ratio E/R shall not exceed 0.6 for Carbon Steels and 0.7 for Alloy Steels.)

- (ii) For temperatures above 454°C (850°F), the lower of the following two values:—

$$\frac{(a) S_r}{1.6} \quad (b) S_o''$$

- (8) for Regulation 337, the following Regulation shall be substituted, namely:—

“337. Material and Construction.—

- (a) All tubes which are subject to internal pressure of water or steam shall be cold drawn or hot finished seamless or electric-resistance welded in accordance with Regulations 36 to 63. Except as provided for in clause (b) below they shall be without joint.

- (b) Tubes having an external diameter not exceeding 5 inches may be jointed and such joints may be flash welded, machine forge welded, arc or gas welded. Tubes above 5" diameter may also be welded provided they are located outside the furnace. Such welds must conform to the requirements of Chapter VIII.
- (c) Flash welding shall be undertaken on a welding machine of a type approved by the Inspecting Officer and the external fin caused by welding shall be completely removed. The internal fin caused by welding shall also be removed subject to a maximum height of 20 per cent of the wall thickness of the tube.
- (d) Arc welded butt joints shall be made by the metallic shielded arc process and stress relieved.
- (e) When gas welding is implied the technique followed shall be approved by an Inspecting Officer and all welds shall be suitably heat treated.
- (f) For design metal temperatures over 454°C (850°F) material to be used shall be accordance with the Regulations 48, 53 and 56A.
- (g) The technique employed in all field welding of tubes shall be subject to the approval of the Chief Inspector of Boilers.

Where, however, material used is in conformity with the Code of the country of manufacture and it is covered by these Regulations, the permissible stress figures specified in the Code at different temperatures may be accepted in lieu of figures computed from the data required to be furnished under Regulations 338 and 340 in any of the following cases:—

- (i) Where a certificate is furnished from the Inspecting Authority to the effect that the steel complies with requirements of the grade steel (to be specified) and that the permissible stress for the working conditions as allowed for in the code of the country of manufacture falls within the limits permissible under the Regulations.
- (ii) Where the basis upon which these stresses have been arrived at is made available and such basis is not found to be such as to give rise to stresses higher than those permissible under the Regulations."
- (9) in Regulation 338, in clause (a), for the portion beginning with the words "Permissible Working Stress for tubes:—"and ending with the words "whichever is the lowest", the following shall be substituted, namely:—

"Permissible Working Stress for tubes:—

For temperature at or below

$$454^{\circ}\text{C} (850^{\circ}\text{F}) \quad . \quad . \quad . \quad . \quad \frac{\text{T.S.}}{3.5} \quad \text{or} \quad \frac{\text{Et}}{1.6}$$

whichever is lower.

For temperature above

$$454^{\circ}\text{C} (850^{\circ}\text{F}) \quad . \quad . \quad . \quad . \quad \frac{\text{S}_r}{1.6} \quad \text{or} \quad \text{S}_c$$

whichever is lower.

- (10) in the Table under Regulation 340, for the entries under the column "Carbon and Alloy Steels", the following shall be substituted, namely:—

"The lower value obtained in each case at the specified temperature calculated on the following basis:—

For temperatures at or below

$$454^{\circ}\text{C} (850^{\circ}\text{F}). \quad . \quad . \quad . \quad . \quad \frac{\text{T.S.}}{3.5} \quad \text{or} \quad \frac{\text{Et}}{1.6}$$

For temperatures above

$$454^{\circ}\text{C}(850^{\circ}\text{F}). \quad \frac{S_r}{1.6} \quad \text{or} \quad S_c$$

(11) at the end of Regulation 343, the following shall be added as para (2), namely:—

“(2) Where, however, material used is in conformity with the code of the country of manufacture and it is covered by these Regulations, the permissible stress figures specified in the code at different temperatures may be accepted in lieu of figures computed from the data required to be furnished under Regulation 350 in any of the following cases:—

- (i) Where a certificate is furnished from the Inspecting Authority to the effect that the Steel complies with requirements of the grade steel (to be specified) and that the permissible stress for the working conditions as allowed for in the code of the country of manufacture falls within the limits permissible under the Regulations,
- (ii) Where the basis upon which these stresses have been arrived at is made available and such basis is not found to be such as to give rise to stresses higher than those permissible under the Regulations.”

(12) in Regulation 350,—

(a) for the letter, symbol, words and figure “S=allowable stress as specified in Table 3”, the following shall be substituted, namely:—

“S=Allowable stress as specified in Table 3 or Regulation 343.”

(b) in Table 3, for the entries:—

<i>“Carbon steel</i> Seamless, hydraulic lap welded and Electric resistance welded	The lowest value obtained on the following basis from			
	For temperatures upto and including 350°C (662°F)	T.S.	or	Et
		3.5		1.6
<i>Molybdenum Steel</i> seamless	For temperatures above 350°C (662°F)	Et or Sr	or	Sc
		1.6		1.6
<i>Chromium-Molybdenum Steel</i> seamless				

Where, T.S.=Minimum Tensile strength at 20°C (68°F).

Et=Yield point (0.2 per cent proof stress) at temperature t.

Sr=The average stress to produce rupture in 100,000 hours and in no case, more than 1.33 time the lowest stress to produce rupture.

Sc=The average stress to produce an elongation of 1 per cent (creep) in 100,000 hours.”

the following entries shall be substituted, namely:—

<i>“Carbon steel</i>				
Seamless, hydraulic lap welded and Electric resistance welded	The lower value obtained on the following basis from			
	For temperatures upto and including 454°C (850°F)	T.S.	or	Et
		3.5		1.6
<i>Molybdenum Steel</i>	For temperatures above 454°C (850°F)	Sr	or	Sc
seamless		1.6		
<i>Chromium-Molybdenum Steel</i>				
seamless				

Where, T.S.=Minimum Tensile Strength at 20°C (68°F).

E_t =Yield point (0.2 per cent proof stress) at temperature t .

S_r =The average stress to produce rupture in 100,000 hours and in no case, more than 1.33 time the lowest stress to produce rupture.

S_c =The average stress to produce an elongation of 1 per cent (creep) in 100,000 hours.

(13) in Regulation 351,—

(i) for the letter symbol, words and figure “S=Allowable working stress as specified in table 4”, the following shall be substituted, namely:—

“S=Allowable working stress as specified in Table 4 or Regulation 343.”

(ii) for Table 4, the following table shall be substituted, namely:—

TABLE 4

Maximum Permissible Working Stress for Carbon and Alloy Cast Steel Pipes
(See Regulation 351)

Lower value obtained in each case at the specified temperature calculated on the following basis:—

For service temperature at or below 454°C (850°F)	T.S.	or	E_t
	3.5		1.6
For service temperature above 454°C (850°F)	S_r	or	S_c
	1.6		

T.S.=Minimum Tensile Strength of the material at room temperature.

E_t =Warm yield point (0.2 per cent proof stress) at temperature t .

S_r =The average stress at the service temperature to produce rupture in 100,000 hours and, in no case, more than 1.33 times the lowest stress to produce rupture at service temperature.

S_c =The average stress at service temperature to produce an elongation of 1 per cent (creep) in 100,000 hours.

(14) in Regulation 394, for clause (a), the following clause shall be substituted, namely:—

“(a) Steam pipes shall be inspected and hydraulically tested before erection in place, the test pressure to be that prescribed in the standard conditions for steam pipes. A certificate from the Inspecting Authority in Form III-A, stating that this has been done by him may be accepted. If the Inspector is satisfied with the test, the pipes may be erected in position. No separate certificate for the steam pipes shall be issued.”

(15) for form III-A, the following forms shall be substituted, namely:—

“FORM III-A

Certificate of Manufacture and Test

[Regulation 4(e)]

Name of part
Maker's name and address
Intended working pressure
Recommended maximum temperature

Material

Process of manufacture
 Fully killed/rimmed
 Chemical composition

Pipes

Main dimensions
 Mode of manufacture
 Tolerances
 Identification marks
 Drawing numbers
 Bend test on pipe
 Bend test on weld
 Flattening test
 Tensile strength
 Mode of attachment of flanges
 Flange particulars
 Size of branches
 Mode of attachment of branches
 Heat treatment
 Final hydraulic test

NOTE.—In addition, the following information in respect of the material shall be furnished in a tabular form as indicated. The information may be given from the established test data or if the material is of standard quality an extract from the standard may be furnished instead.

Metal temperature upto °C.	250	275	300	325	350	375	400
----------------------------	-----	-----	-----	-----	-----	-----	-----

E_t

S_c

S_r

Metal temperature upto °C.	425	450	475	500	525	550	575	600
----------------------------	-----	-----	-----	-----	-----	-----	-----	-----

E_t

S_c

S_r

Tensile strength at 20°C.*

Where,

Et=Yield point at temperature *t* (0.2 per cent proof stress).

****Sc**=Average stress to produce an elongation of 1 per cent (creep) in 100,000 hours at the various working metal temperatures.

****Sr**=Average and lowest stress to produce rupture in 100,000 hours at the various working metal temperatures.

Temperature range in the table may extend upto the limit of applicability of the material.

The values of **Sc** and **Sr** need be furnished only in respect of Pipes/Tubes intended to be used for working metal temperature above 454°C (850°F).

Certified that the particulars entered herein are correct.

The particulars of fabricated component are shown in drawing No.

The part has been designed and constructed to comply with the Indian Boiler Regulations for a working pressure of and temperature and satisfactorily withstood a water test of on the day of 19—, in the presence of our responsible representative whose signature is appended hereunder.

Makers' Representative.

Maker. _____

(Name and signature)

We have satisfied ourselves that the pipes have been constructed in accordance with Chapter VIII. The tests conducted on the samples taken from the finished pipes have been witnessed by us and the particulars entered herein are correct.

Place _____

Date _____

Name and signature of
Inspecting Authority.

Note (1).—This form is intended for the use of both pipe manufacturers and pipe fabricators. Only such of the columns or paragraphs that are applicable, or information that can be obtained and furnished from other certificates, need be filled or entered in this form.

Note (2).—In the case of fabrications made from steel pipes obtained from elsewhere, particulars in regard to the "material" and "pipes" shall be taken from similar forms of certificates obtained in respect of pipes and noted in the appropriate columns or paragraphs.

In the case of pipes made from steel, made and tested by Well Known Steel Makers in India or other countries listed in Appendix 'G', particulars regarding the 'material' as certified by them (in any form) shall be noted in the appropriate columns or paragraphs in this certificate.

FORM III—B

(Certificate of Manufacture and Test)

[Regulation 4(f)]

Maker's name

Intended working pressure

Maximum recommended metal temperature

Material

Process of manufacture

Fully killed/rimmed

Chemical composition

Tubes

Process of manufacture
 Main dimensions
 Tolerances
 Tensile strength
 Elongation percentage
 Bend test
 Flattening test
 Crushing test
 Flare test
 Flange test
 Bend test on weld
 Bulging test and drifting test (for copper and brass,
 Heat treatment
 Hydraulic test

NOTE.—In addition, the following information in respect of the material shall be furnished in a tabular form as indicated. This information may be given from the established test data or if the material is of standard quality, an extract from the standard may be furnished instead.

Metal temperature upto °C 250 275 300 325 350 375 400 425 450 475 500 525 550 575 600

E^t

S_c

S_r

Tensile strength at 20°C*

Where,

E = Yield point at temperature t (0.2 per cent proof stress).

**S_c—Average stress to produce an elongation of 1 per cent (creep) 100,000 hours at the various working metal temperatures.

**S_r—Average and lowest stress to produce rupture in 100,000 hours at the various working metal temperatures.

Temperature range in the table may extend upto the limit of applicability of the material.

The values of S_c and C_r need be furnished only in respect of pipes/tubes intended to be used for working metal temperature above 454°C (850°F).

Certified that the particulars entered herein are correct.

The tubes have been manufactured to comply with the Indian Boiler Regulations for a maximum working pressure of and a maximum temperature of at our works above named and satisfactorily withstood a water test of on the day of 19—, in the presence of our responsible representatives whose signature is appended hereunder.

Maker's Representative.
 (Name and signature).

Maker. _____

We have satisfied ourselves that the tubes have been constructed in accordance with Chapter II. The tests conducted on the samples taken from the finished tubes have been witnessed by us and the particulars entered herein are correct.

Name and signature of
Inspecting Authority.

Place _____

Date _____

NOTE (1).—This form is intended for the use of both tube manufacturers and tube fabricators. Only such of the columns or paragraphs that are applicable, or information that can be obtained and furnished from other certificates, need be filled or entered in this form.

NOTE (2).—In the case of fabrications made from steel tubes obtained from elsewhere, particulars in regard to the "material" and "Tubes" shall be taken from similar forms of certificates obtained in respect of pipes and noted in the appropriate columns or paragraphs.

In the case of tubes made from steel, made and tested by Well-Known Steel Makers in India or other countries listed in Appendix 'G', particulars regarding the 'material' as certified by them (in any form) shall be noted in the appropriate columns or paragraphs in this certificate."

(16) under the heading Form IV, for the brackets, word, figures and letter
" [Regulation 4(c) (iv)] "

the following brackets, words, figures and letters shall be substituted,
namely:—

" [Regulation 4(c)(iv) and 4(f)] "

(17) in Appendix J, for the sub-heading "II. AT THE TUBE MAKERS WORKS" and the paragraph thereunder, the following shall be substituted, namely:—

"II—AT THE PIPE/TUBE MAKER'S WORKS

(a) When the pipes/tubes are ready for examination and selection of mechanical test pieces;

(b) When the test specimens are ready for testing;

(c) When the pipes/tubes are ready for hydraulic test.

For parts manufactured from tubes/pipes either by manipulation or fabrication, as may be required by the Inspecting Authority and in all cases of fabrication by welding, after the weld preparations have been made, the components have been assembled and tack welded in position for final welding, and hydraulic test after completion of fabrication."

[No. BL-9(44)/61-P.II.]

K. B. SAXENA, Secy.